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T. Komeda, Y. Sakisaka, M. Onchi, H. Kato, S. Masuda and K. Yagi, Angle-resolved photoemission study of the interaction of oxygen with a Ni(110) surface. I. Adsorption at 80 K 188 (1987) 32

T. Komeda, Y. Sakisaka, M. Onchi, H. Kato, S. Masuda and K. Yagi, Angle-resolved photoemission study of the interaction of oxygen with a Ni(110) surface. II. Adsorption at 300 K 188 (1987) 45

L.S. Caputi, G. Chiarello and A. Amoddeo, Oxygen-covered Ni(110) studied by AES and EELFS 188 (1987) 63

H. Froitzheim and U. Köhler, Kinetics of the adsorption of CO on Ni(111) 188 (1987) 70

R.G. Jones and A.W.-L. Tong, Mercury adsorption on Ni{100} 188 (1987) 87

M. Hock and J. Küppers, Interaction of hydrogen and oxygen at Ni(111) surfaces 188 (1987) 575

Nitric oxide

L. Bugyi and F. Solymosi, Interaction of NO with clean and K-dosed Rh(111) surfaces. I. AES, TDS and work function studies 188 (1987) 475

Nitrogen

Y. Kuwahara, M. Fujisawa, M. Jo, M. Onchi and M. Nishijima, Interactions of Pd(110) with (N_2 + N) – EELS, AES and LEED studies 188 (1987) 490

H.C. Zeng, R.N.S. Sodhi and K.A.R. Mitchell, A LEED crystallographic analysis for the Cu(100)c(2 × 2)-N surface structure 188 (1987) 599

Organic substances

M.A. Henderson, G.E. Mitchell and J.M. White, The decomposition of formaldehyde on Pt(111): a TPD and HREELS study 188 (1987) 206

S.Y. Hwang, E.G. Seebauer and L.D. Schmidt, Decomposition of CH_3NH_2 on Pt(111) 188 (1987) 219

Oxygen

C.F. McConville, D.L. Seymour, D.P. Woodruff and S. Bao, Synchrotron radiation core level photoemission investigation of the initial stages of oxidation of Al(111) 188 (1987) 1

J.M. Mundenar, A.P. Baddorf, E.W. Plummer, L.G. Sneddon, R.A. Didio and D.M. Zehner, Oxygen chemisorption on copper (110) 188 (1987) 15

T. Komeda, Y. Sakisaka, M. Onchi, H. Kato, S. Masuda and K. Yagi, Angle-resolved photoemission study of the interaction of oxygen with a Ni(110) surface. I. Adsorption at 80 K 188 (1987) 32

T. Komeda, Y. Sakisaka, M. Onchi, H. Kato, S. Masuda and K. Yagi, Angle-resolved photoemission study of the interaction of oxygen with a Ni(110) surface. II. Adsorption at 300 K 188 (1987) 45

L.S. Caputi, G. Chiarello and A. Amoddeo, Oxygen-covered Ni(110) studied by AES and EELFS 188 (1987) 63

M.S. Hegde, T.S. Sampath Kumar and R.M. Mallya, XPS, UPS and AES study of surface segregation and oxidation of Ni–Ru alloy: evidence for decrease in dissociation temperature of NiO in the presence of Ru 188 (1987) 255

M. Hock and J. Küppers, Interaction of hydrogen and oxygen at Ni(111) surfaces 188 (1987) 575

Palladium

J. Somers, M.E. Kordesch, Th. Lindner, H. Conrad, A.M. Bradshaw and G.P. Williams, An adsorbed diatomic molecule showing parallel bonding: CN/Pd(111) 188 (1987) L693

Y. Kuwahara, M. Fujisawa, M. Jo, M. Onchi and M. Nishijima, Interactions of Pd(110) with $(N_2 + N)$ – EELS, AES and LEED studies 188 (1987) 490

A. Palazov, G. Kadinov, Ch. Bonev and D. Shopov, Estimation of the number of CO molecules adsorbed in various modes on different crystal planes of alumina supported polycrystalline palladium 188 (1987) 505

Photoconductivity

K.C. Mandal, S. Basu and D.N. Bose, Effect of surface modification on sub-bandgap response of n-CdTe photoelectrodes 188 (1987) 235

Photoelectron spectroscopy

B.J. Knapp, J.C. Hansen, J.A. Benson and J.G. Tobin, The electronic structure of gold overlayers on Cu(100) 188 (1987) L675

C.F. McConville, D.L. Seymour, D.P. Woodruff and S. Bao, Synchrotron radiation core level photoemission investigation of the initial stages of oxidation of Al(111) 188 (1987) 1

J.M. Mundenar, A.P. Baddorf, E.W. Plummer, L.G. Sneddon, R.A. Didio and D.M. Zehner, Oxygen chemisorption on copper (110) 188 (1987) 15

T. Komeda, Y. Sakisaka, M. Onchi, H. Kato, S. Masuda and K. Yagi, Angle-resolved photoemission study of the interaction of oxygen with a Ni(110) surface. I. Adsorption at 80 K 188 (1987) 32
T. Komeda, Y. Sakisaka, M. Onchi, H. Kato, S. Masuda and K. Yagi, Angle-resolved photoemission study of the interaction of oxygen with a Ni(110) surface. II. Adsorption at 300 K 188 (1987) 45
P.B. Smith and S.L. Bernasek, The adsorption of water on TiO_2(001) 188 (1987) 241
M.S. Hegde, T.S. Sampath Kumar and R.M. Mallya, XPS, UPS and AES study of surface segregation and oxidation of Ni–Ru alloy: evidence for decrease in dissociation temperature of NiO in the presence of Ru 188 (1987) 255
YoungPak Lee, A.J. Bevolo and D.W. Lynch, Studies of the initial oxidation of Fe–Si alloys by AES, XPS and EELS 188 (1987) 267
R.J. Gorte, E. Altman, G.R. Corallo, M.R. Davidson, D.A. Asbury and G.B. Hoflund, A characterization of thin titania layers deposited on polycrystalline Pt using ISS and ESCA 188 (1987) 327
C. Egawa, T. Aruga and Y. Iwasawa, Epitaxial growth of Fe overlayers on the Ru(001) surface 188 (1987) 563

Piezo electric effect

L. Fernández, V.R. Velasco and F. Garcia-Moliner, Bulk and surface Bleustein–Gulyaev waves in piezoelectric superlattices 188 (1987) 140

Platinum

M.A. Henderson, G.E. Mitchell and J.M. White, The decomposition of formaldehyde on Pt(111): a TPD and HREELS study 188 (1987) 206
S.Y. Hwang, E.G. Seebauer and L.D. Schmidt, Decomposition of CH_3NH_2 on Pt(111) 188 (1987) 219
R.J. Gorte, E. Altman, G.R. Corallo, M.R. Davidson, D.A. Asbury and G.B. Hoflund, A characterization of thin titania layers deposited on polycrystalline Pt using ISS and ESCA 188 (1987) 327
J. Canullo, Y. Uchida, G. Lehmpfuhl, T. Twomey and D.M. Kolb, An electron microscopic investigation of the electrochemical facetting of platinum 188 (1987) 350

Raman scattering

C. Pettenkofer, I. Mrozek, T. Bornemann and A. Otto, On the contribution of classical electromagnetic field enhancement to Raman scattering from adsorbates on coldly deposited silver films 188 (1987) 519

Rhodium

W. Nichtl, N. Bickel, L. Hammer, K. Heinz and K. Müller, Surface relaxation change by hydrogen adsorption on Rh(110) 188 (1987) L729
L. Bugyi and F. Solymosi, Interaction of NO with clean and K-dosed Rh(111) surfaces. I. AES, TDS and work function studies 188 (1987) 475

Ruthenium

C.H. Mak, J.L. Brand, B.G. Koehler and S.M. George, Isotope effect in the surface diffusion of hydrogen and deuterium on Ru(001) 188 (1987) 312
J.P.S. Badyal, A.J. Gellman and R.M. Lambert, The origin of certain features in the Auger spectrum of Ru(0001): impurities, Auger transitions or diffraction effects? 188 (1987) 557
C. Egawa, T. Aruga and Y. Iwasawa, Epitaxial growth of Fe overlayers on the Ru(001) surface 188 (1987) 563

Silicon

J.N. Carter, V.M. Dwyer and B.W. Holland, Empirical tight binding cluster method for semiconductor surface structures 188 (1987) L723
Y. Uchida and G. Lehmpfuhl, Reflection electron microscopic observation of crystal surfaces on a Si cylindrical specimen 188 (1987) 364
P. Funke and G. Materlik, Adsorption sites of bromine on Si(111)1×1 and 7×7 surfaces 188 (1987) 378
J. Aarts and P.K. Larsen, Monolayer and bilayer growth on Ge(111) and Si(111) 188 (1987) 391
P.M. Agrawal, L.M. Raff and D.L. Thompson, Effect of the lattice model on the dynamics of dissociative chemisorption of H_2 on a Si(111) surface 188 (1987) 402

Silicon nitride

H.-C. Wang, R.-F. Lin and X. Wang, High temperature nitridation structures of the Si(111)-(7×7) surface 188 (1987) 199

Silicon oxide

P. Hoffmann and E. Knözinger, Novel aspects of mid and far IR Fourier spectroscopy applied to surface and adsorption studies on SiO_2 188 (1987) 181

Silver

F. Varnier, N. Mayani, G. Rasigni, M. Rasigni and A. Llebaria, Study of the surface roughness for thin films of LiF and Ag/LiF 188 (1987) 107
M. Paunov and E. Bauer, A multimethod study of the condensation of Ag on Mo(110) 188 (1987) 123
E. Holub-Krappe, K. Horn, J.W.M. Frenken, R.L. Krans and J.F. van der Veen, Multilayer relaxation at the Ag(110) surface 188 (1987) 335
C. Pettenkofer, I. Mrozek, T. Bornemann and A. Otto, On the contribution of classical electromagnetic field enhancement to Raman scattering from adsorbates on coldly deposited silver films 188 (1987) 519

Solid–electrolyte interface

J. Canullo, Y. Uchida, G. Lehmpfuhl, T. Twomey and D.M. Kolb, An electron microscopic investigation of the electrochemical facetting of platinum 188 (1987) 350

Surface diffusion

C.H. Mak, J.L. Brand, B.G. Koehler and S.M. George, Isotope effect in the surface diffusion of hydrogen and deuterium on Ru(001) 188 (1987) 312

Surface energy

Y.R. Wang, C.B. Duke and C. Mailhiot, Electronic and atomic structure of cleavage faces of ZnSe 188 (1987) L708

Surface phonons

J.M. Mundenar, A.P. Baddorf, E.W. Plummer, L.G. Sneddon, R.A. Didio and D.M. Zehner, Oxygen chemisorption on copper (110) 188 (1987) 15

L. Fernández, V.R. Velasco and F. Garcia-Moliner, Bulk and surface Bleustein–Gulyaev waves in piezoelectric superlattices 188 (1987) 140

Surface roughness

F. Varnier, N. Mayani, G. Rasigni, M. Rasigni and A. Llebaria, Study of the surface roughness for thin films of LiF and Ag/LiF 188 (1987) 107

Surface segregation

M.S. Hegde, T.S. Sampath Kumar and R.M. Mallya, XPS, UPS and AES study of surface segregation and oxidation of Ni–Ru alloy: evidence for decrease in dissociation temperature of NiO in the presence of Ru 188 (1987) 255

S. Mukherjee and J.L. Morán-López, Theory of surface segregation in transition-metal alloys 188 (1987) L742

Surface states

E.V. Chulkov, V.M. Silkin and E.N. Shirykalov, Surface electronic structure of Be(0001) and Mg(0001) 188 (1987) 287

J.E. Inglesfield, The screening of an electric field at an Al(001) surface 188 (1987) L701

Surface structure, see also Low energy electron diffraction

W. Nichtl, N. Bickel, L. Hammer, K. Heinz and K. Müller, Surface relaxation change by hydrogen adsorption on Rh(110) 188 (1987) L729

M. Garofalo, E. Tosatti and F. Ercolessi, Structure, energetics, and low-temperature behaviour of the Au(110) reconstructed surface 188 (1987) 321

E. Holub-Krappe, K. Horn, J.W.M. Frenken, R.L. Krans and J.F. van der Veen, Multilayer relaxation at the Ag(110) surface 188 (1987) 335

P. Funke and G. Materlik, Adsorption sites of bromine on Si(111)1 × 1 and 7 × 7 surfaces 188 (1987) 378

H.C. Zeng, R.N.S. Sodhi and K.A.R. Mitchell, A LEED crystallographic analysis for the Cu(100)c(2 × 2)-N surface structure 188 (1987) 599

Surface thermodynamics

H. Derks, J. Möller and W. Heiland, The short range order surface structure of Au(110) in the range of the (1 × 2) to (1 × 1) phase transition 188 (1987) L685

Thermal desorption

M. Paunov and E. Bauer, A multimethod study of the condensation of Ag on Mo(110) 188 (1987) 123
M.A. Henderson, G.E. Mitchell and J.M. White, The decomposition of formaldehyde on Pt(111): a TPD and HREELS study 188 (1987) 206
S.Y. Hwang, E.G. Seebauer and L.D. Schmidt, Decomposition of CH_3NH_2 on Pt(111) 188 (1987) 219
C.H. Mak, J.L. Brand, B.G. Koehler and S.M. George, Isotope effect in the surface diffusion of hydrogen and deuterium on Ru(001) 188 (1987) 312
E. Lisowski, L. Stobiński and R. Duś, On the influence of the way of thin gold films preparation on the character of hydrogen adsorption 188 (1987) L735
L. Bugyi and F. Solymosi, Interaction of NO with clean and K-dosed Rh(111) surfaces. I. AES, TDS and work function studies 188 (1987) 475
M. Hock and J. Küppers, Interaction of hydrogen and oxygen at Ni(111) surfaces 188 (1987) 575
G.A. Attard and D.A. King, Two-dimensional surface alloys: copper on W(100) 188 (1987) 589

Titanium oxide

P.B. Smith and S.L. Bernasek, The adsorption of water on TiO_2(001) 188 (1987) 241
R.J. Gorte, E. Altman, G.R. Corallo, M.R. Davidson, D.A. Asbury and G.B. Hoflund, A characterization of thin titania layers deposited on polycrystalline Pt using ISS and ESCA 188 (1987) 327

Tungsten

G.A. Attard and D.A. King, Two-dimensional surface alloys: copper on W(100) 188 (1987) 589

Tunneling

J. Bono and R.H. Good, Jr., Conductance oscillations in scanning tunneling microscopy as a probe of the surface potential 188 (1987) 153

Water

P.B. Smith and S.L. Bernasek, The adsorption of water on TiO_2(001) 188 (1987) 241

Work function

E. Lisowski, L. Stobiński and R. Duś, On the influence of the way of thin gold films preparation on the character of hydrogen adsorption 188 (1987) L735

L. Bugyi and F. Solymosi, Interaction of NO with clean and K-dosed Rh(111) surfaces. I. AES, TDS and work function studies 188 (1987) 475
C. Egawa, T. Aruga and Y. Iwasawa, Epitaxial growth of Fe overlayers on the Ru(001) surface 188 (1987) 563
G.A. Attard and D.A. King, Two-dimensional surface alloys: copper on W(100) 188 (1987) 589

X-ray absorption

J. Somers, M.E. Kordesch, Th. Lindner, H. Conrad, A.M. Bradshaw and G.P. Williams, An adsorbed diatomic molecule showing parallel bonding: CN/Pd(111) 188 (1987) L693

X-ray diffraction

P. Funke and G. Materlik, Adsorption sites of bromine on Si(111)1 × 1 and 7 × 7 surfaces 188 (1987) 378

Zinc oxide

L. Fernández, V.R. Velasco and F. Garcia-Moliner, Bulk and surface Bleustein–Gulyaev waves in piezoelectric superlattices 188 (1987) 140

Zinc selenide

Y.R. Wang, C.B. Duke and C. Mailhiot, Electronic and atomic structure of cleavage faces of ZnSe 188 (1987) L708
T.A. Pakkanen, V. Nevalainen, M. Lindblad and P. Makkonen, Surface models for ZnS thin films. Theoretical studies on the mechanism of the growth of zinc sulfide by atomic layer epitaxy techniques 188 (1987)